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Federal Agencies

June 27, 2006

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Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Art Unit 2634**

Re: U.S. Utility Patent Application  
Application No. 10/687,172; Filed: October 16, 2003  
For: **Phase Detectors In Carrier Recovery For Offset QAM and VSB**  
Inventors: LIN *et al.*  
Our Ref: 2875.016000E

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Request for Change of Attorney Docket Number;
2. Change of Correspondence Address;
3. Copy of the original executed Power of Attorney to Prosecute Applications Before the U.S. Patent and Trademark Office;
4. Original Executed Statement Under 37 C.F.R. §3.73(b); and
5. One (1) return postcard.

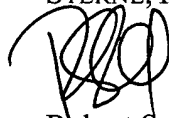
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
June 27, 2006  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to be 'RS', is written over the printed name of Robert Sokohl.

Robert Sokohl  
Attorney for Applicants  
Registration No. 36,013

RES/mjg  
Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LIN *et. al.*

Application No.: 10/687,172

Filed: October 16, 2003

For: **Phase Detectors In Carrier  
Recovery For Offset QAM and VSB**

Confirmation No.: 6639

Art Unit: 2634

Examiner: To Be Assigned

Atty. Docket: 2875.016000E

**Request for Change of Attorney Docket Number Pleading**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants respectfully request that the attorney docket number for the above-captioned application be changed from "51397/LTR/B600" to -- 2875.016000E --. Kindly use this attorney docket number in any future correspondence addressed to the undersigned.

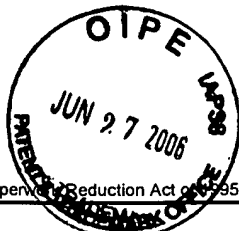
Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert Sokohl  
Attorney for Applicants  
Registration No. 36,013

Date: 6/26/06

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600



PTO/SB/122 (01-06)

Approved for use through 12/31/2008. OMB 0651-0035

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**CHANGE OF  
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P.O. Box 1450  
Alexandria, VA 22313-1450

Application Number	10/687,172
Filing Date	October 16, 2003
First Named Inventor	Thuji S. LIN
Art Unit	2634
Examiner Name	To Be Assigned
Attorney Docket Number	2875.016000E

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I am the:

☐ Applicant/Inventor☐ Assignee of record of the entire interest.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).☒ Attorney or agent of record. Registration Number 36,013☐ Registered practitioner named in the application transmittal letter in an application without an  
expedited oath or declaration. See 37 CFR 1.33(a)(1). Registration Number \_\_\_\_\_

Signature

Typed or Printed  
Name

Robert Sokohl

Date

6/26/06

Telephone

(202) 371-2600

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

49579

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

26111

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone			Fax

Assignee Name and Address:

**Broadcom Corporation**  
**16215 Alton Parkway**  
**Irvine, California 92618-3616**

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	12/13/05
Name	Dee Henderson	Telephone	(949) 926-5958
Title	Senior Manager, Intellectual Property Administration		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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384,933



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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

**STATEMENT UNDER 37 CFR 3.73(b)**

2875.016000E

Applicant/Patent Owner: LIN et al.

Application No./Patent No./Control No.: 10/687,172 Filed/Issue Date: October 16, 2003

Entitled:

Phase Detectors In Carrier Recovery For Offset QAM and VSB

Broadcom Corporation

(Name of Assignee)

, a corporation

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 010460, Frame 0903, or a true copy of the original assignment is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
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3. From: \_\_\_\_\_ To: \_\_\_\_\_  
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Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose name is supplied below) is authorized to act on behalf of the assignee.

Signature

Robert Sokohl

Printed or Typed Name

Attorney For Applicants

Title

Date

6/26/06  
(202)371-2600

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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